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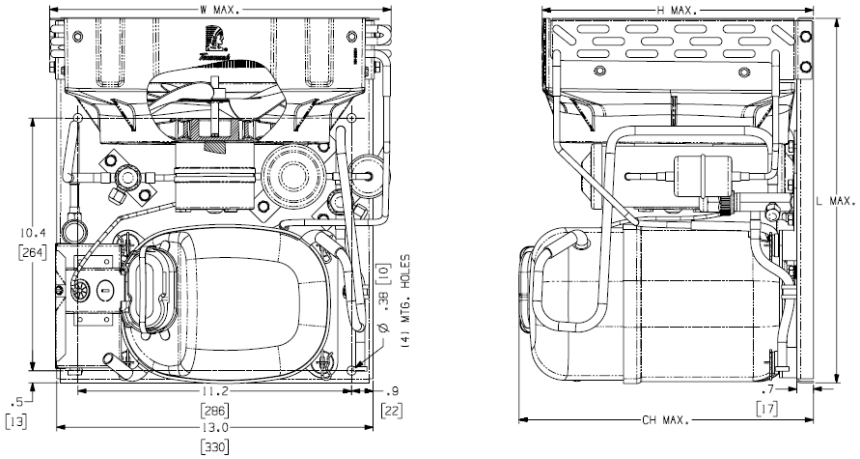
Celseon® Air Cooled Condensing Unit

Model: AJA2423YAAD*
BoM: 2G201- R-134a 1/2 HP**



Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AJA2423YAADA	15.0	14.0	11.1	11.7	3/8" S	1/4" S	N/A	185	26	62
AJA2423YAADG					3/8" S	3/8" S	2.5 lbs			64
AJA2423YAADH					3/8" S	3/8" S	N/A			62
AJA2423YAADK					3/8" S	1/4" S				62
AJA2423YAADC					3/8" S	3/8" S	2.5 lbs			64
AJA2423YAADS					3/8" S	3/8" S	N/A			62
AJA2423YAADJ					3/8" S	3/8" S	2.5 lbs			64
AJA2423YAADP					3/8" S	3/8" S	2.5 lbs			64

* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting
Factory charge: 20 PSIG Nitrogen – **MUST BE EVACUATED**

		Ambient Temperatures											
Evaporator T,		80°F			90°F			100°F			110°F		
°F	PSIG	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
-30	*9.8"	1177	389	90	735	311	97	321	233	104	217	154	111
-25	*6.9"	1575	459	93	1124	387	100	701	316	107	307	244	114
-20	*3.7"	1980	528	95	1520	464	103	1088	399	110	685	335	117
-15	0.1	2390	598	99	1920	540	106	1479	483	113	1066	425	120
-10	1.9	2801	668	102	2321	618	109	1870	567	116	1447	516	123
-5	4.2	3209	739	106	2719	695	113	2257	651	120	1823	608	127
0	6.5	3611	810	110	3110	773	117	2637	736	124	2192	699	131
5	9.0	4002	881	114	3489	851	121	3004	821	128	2548	791	135
10	11.9	4376	953	118	3852	930	125	3355	907	132	2886	884	139

60 Hz Performance

Return gas temp. 40°F, 5°F sub cooling
Note: * = Inches of Mercury below 1 Atmosphere

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Specifications/ Parts:

Unit Model	**AJA2423YAADA**
Unit Bill of Material	**2G201-09**
Refrigeration Range	-40° F to +10° F
Design Pressure Low	150
Design Pressure High	235
Nominal Volts-Hz-Ph	115-60-1
Voltage Range	103 to 127
Min. Circuit Ampacity	9.5
Max. Fuse Size (amps)	15
Compressor Model	AJA2419YXA
Comp. Bill of Material	AJ135AT-434-P2
Compressor RLA/LRA	7.3/68
Overload	External
Relay	820ARR3B92
Run Capacitor	85PR370E36
Run Capacitor Rating	15MFD 370V(M) VDE
Start Capacitor	85PS110A15
Start Capacitor Rating	270-324 MFD 110V
Fan Motor	810-10001
Fan Motor RLA	.38
Fan Blade	515-10002
Fan Shroud/Guard Combo	707-00004
Condenser	506-10004
Unit Drawing	DGU1971-03
Wiring Diagram	91266-02
Replacement Kit: Relay	K71-13
Replacement Kit: O/L	K90-30

Unit Model	**AJA2423YAADG**
Unit Bill of Material	**2G201-19**
Receiver Tank	510-10000
Liquid Valve	56630
Suction Valve	56630
Unit Model	**AJA2423YAADH**
Unit Bill of Material	**2G201-29**
Liquid Valve	56630
Suction Valve	56630
Unit Model	**AJA2423YAADK**
Unit Bill of Material	**2G201-39**
Power Cord	85106-14
Unit Model	**AJA2423YAADC**
Unit Bill of Material	**2G201-59**
Receiver Tank	510-10000
Liquid Valve	56630
Suction Valve	56630
Power Cord	85106-14
Unit Model	**AJA2423YAADS**
Unit Bill of Material	**2G201-69**
Liquid Valve	56630
Suction Valve	56630
Power Cord	85106-14
Unit Model	**AJA2423YAADJ**
Unit Bill of Material	**2G201-79**
Receiver Tank	510-10000
Liquid Valve	56630
Suction Valve	56630
Filter Drier	71116
Sight Glass	70084
Unit Model	**AJA2423YAADP**
Unit Bill of Material	**2G201-89**
Receiver Tank	510-10000
Liquid Valve	56630
Suction Valve	56630
Power Cord	85106-14
Filter Drier	71116
Sight Glass	70084

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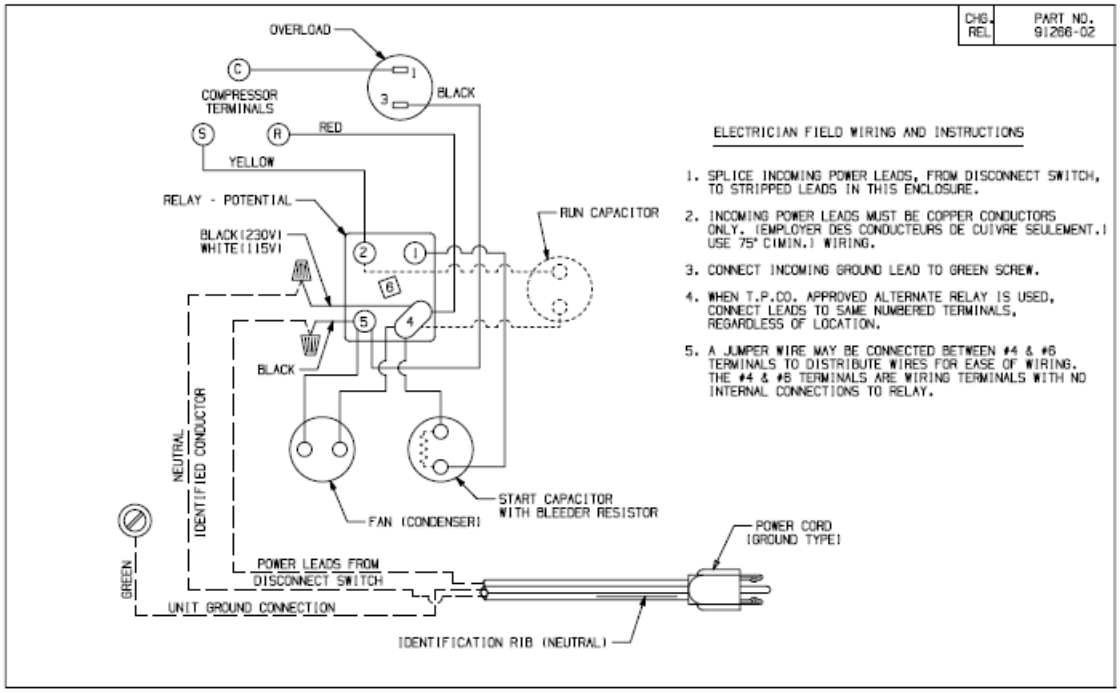
CHG. REL.
PART NO. 91266-02
OVERLOAD
COMPRESSOR TERMINALS
BLACK
RED
YELLOW
RELAY - POTENTIAL
BLACK(230V) WHITE(115V)
RUN CAPACITOR
BLACK
NEUTRAL IDENTIFIED CONDUCTOR
START CAPACITOR WITH BLEEDER RESISTOR
FAN (CONDENSER)
POWER CORD (GROUND TYPE)
POWER LEADS FROM DISCONNECT SWITCH
GREEN
UNIT GROUND CONNECTION
IDENTIFICATION RIB (NEUTRAL)
ELECTRICIAN FIELD WIRING AND INSTRUCTIONS
1. SPLICE INCOMING POWER LEADS, FROM DISCONNECT SWITCH, TO STRIPPED LEADS IN THIS ENCLOSURE.
2. INCOMING POWER LEADS MUST BE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT.) USE 75° C(MIN.) WIRING.
3. CONNECT INCOMING GROUND LEAD TO GREEN SCREW.
4. WHEN T.P.CO. APPROVED ALTERNATE RELAY IS USED, CONNECT LEADS TO SAME NUMBERED TERMINALS, REGARDLESS OF LOCATION.
5. A JUMPER WIRE MAY BE CONNECTED BETWEEN #4 & #6 TERMINALS TO DISTRIBUTE WIRES FOR EASE OF WIRING. THE #4 & #6 TERMINALS ARE WIRING TERMINALS WITH NO INTERNAL CONNECTIONS TO RELAY.